

TOMÁŠ MOZDŘEŇ

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LinkedIn: [LinkedIn Profile link](#)

PROFESSIONAL PROFILE

Dedicated and results-driven IT and Data Platforms Specialist with expertise in Linux server administration, big data analytics, automation, and full-stack development. Skilled in managing and optimizing complex data environments, developing web solutions, and supporting production operations. Proven ability to bridge technical and operational teams to deliver efficient, scalable solutions.

EXPERIENCE

Analytics and Data Platforms Specialist

ČEZ Distribuce, a.s. | Ostrava, Czechia | May 2025 – Present

- Manage and optimize big data platforms using Apache Kafka, Hadoop, Cloudera, and PostgreSQL.
- Automate infrastructure tasks with Ansible and maintain Linux server environments.
- Ensure data reliability and security with pgBarman and EnterpriseDB.

PHP Developer

Spaneco spol s.r.o. | Valašské Meziříččí, Czechia | Jun 2023 – Aug 2023

- Developed and maintained web applications using PHP, JavaScript, and MariaDB.
- Created admin systems for seamless client content updates.
- Technologies used: PHP, JavaScript, Bash, Git, MariaDB, HTML, CSS.

Technical Specialist

TietoEVERY | Ostrava, Czechia | Oct 2021 – Apr 2023

- Developed in-house solutions for Jira/Confluence using Bash and Python.
- Managed server clusters and performed automation with Ansible.
- Provided customer support and used Jira/Confluence APIs for task automation.
- Technologies used: Java, JavaScript, Databases, RHEL 8, Plugin Development, Git.

Production Operator

OPmobility (Plastic Omnium) | Nový Jičín, Czechia | Jan 2024 – Jul 2024

- Operated production machinery and performed quality control in automotive manufacturing.
- Collaborated with team operators and departments to achieve production goals.

Assembly Worker - Mechanic (Spare Parts)

BIKE FUN International s.r.o. | Kopřivnice, Czechia | Nov 2024 – Jan 2025

- Assembled and inspected bikes, performed packaging and part installations.
- Ensured quality standards by inspecting bikes after assembly.

Production Operator 0

Hyundai Motor Manufacturing Czech s.r.o. | Nošovice, Czechia | Oct 2024

- Worked in an assembly line style production, adding parts to cars.
- Collaborated with a team to achieve production targets.

PERSONAL PROJECTS

- **Proxmox VE Administrator** | Dell Precision 3630 (8500, 64GB RAM) | 2025 - Present
- Engineered production-grade homelab hosting VMs (MMORPG game server, media/gaming workloads) and LXC containers (Prometheus/Grafana monitoring stack) with automated offsite rclone backups, VM recycling via custom Bash/cron orchestration, and ZFS ARC optimization (24GB max).
- Developed open-source Ansible playbooks for live per-VM CPU/RAM usage reporting and automated VM provisioning via Proxmox REST API (GitHub: [BeanGreen247/ansible-proxmox-ve-usage-status](https://github.com/BeanGreen247/ansible-proxmox-ve-usage-status), [BeanGreen247/proxmox-ve-vms-ansible](https://github.com/BeanGreen247/proxmox-ve-vms-ansible)).
- Migrated 1.5TB+ Proxmox workloads to a new 8TB ZFS pool on enterprise HDD, repurposing existing consumer HDDs for local backup staging and enabling zero-downtime VM relocation with scripted validation. (logs: [BeanGreen247/starhaven-proxmox](https://github.com/BeanGreen247/starhaven-proxmox))

- **Private Smart Home Setup** | Raspberry Pi 4 (BCM2711, 4GB RAM) | 2023 - Present
 - Designed and single-handedly maintain a private family smart home system using Home Assistant as the core, with Node-RED for custom automation workflows, Zigbee2MQTT for Zigbee device integration, and Apache web server for internal dashboards. Leveraged HACS for community tools like Local WebRTC (secure local video), Local Tuya (offline cloud-free controls), and MQTT clients, all containerized in Docker for isolation and portability. Optimized Pi 4 performance via CPU scaling, ZRAM, and resource limits, reliably managing 20+ devices with 99.9% uptime on a self-hosted, non-public service.
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TECHNICAL SKILLS

- Linux Server, Red Hat Enterprise Linux (RHEL), PostgreSQL, Apache Kafka, Cloudera, Hadoop, Ansible, Apache Avro, Bash, PHP, JavaScript, Git, MariaDB, HTML, CSS
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EDUCATION

- School leaving exam Maturita EQF level 4, Gymnázium a Střední průmyslová škola elektrotechniky a informatiky, Frenštát pod Radhoštěm, příspěvková organizace, Frenštát pod Radhoštěm (Czechia), 2021
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LANGUAGES

- Czech: Native
 - English: Fluent
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SOFT SKILLS

- Problem Solving, Team Collaboration, Communication, Adaptability, Attention to Detail